

DIST.	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET NO.	TOTAL SHEETS
04	Ala,CC	24,260	R5.9/R6.2, R0.0/R0.5, R0.9/R1.9	15	100

Hosay Mozaffari
 REGISTERED MECHANICAL ENGINEER DATE _____
 H. MOZAFFARI
 No. M-22289
 Exp. 12/31/09
 MECH
 STATE OF CALIFORNIA

11-24-08
PLANS APPROVAL DATE

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STV Incorporated
9130 Anaheim Place, Suite 210
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EXHAUST DAMPER MOTOR SCHEDULE (RCS SURE 100 USED AS DESIGN BASIS) - OPTION #2

SYMBOL	LOCATION	SERVING	EXHAUST DAMPER MOTOR DATA				ELECTRICAL DATA			OPERATING WEIGHT	WORK PHASE	REMARKS
			QTY	NLA	LRA	TORQUE (IN-LBS)	SPEED RANGE IN SECONDS	VOLTAGE	PHASE			
MD 1-1 THRU MD 1-3	WEST PORTAL BLDG ROOF	ED 1	3	0.65 EA	0.95 EA	1200	30	120	1	60	82 LBS EACH	PHASE 1
MD 2-1 THRU MD 2-3		ED 2	3									PHASE 2
MD 3-1 THRU MD 3-3		ED 3	3									PHASE 1
MD 4-1 THRU MD 4-3		ED 4	3									PHASE 2
MD 5-1 THRU MD 5-3	EAST PORTAL BLDG ROOF	ED 5	3	0.65 EA	0.95 EA	1200	30	120	1	60	82 LBS EACH	PHASE 1
MD 6-1 THRU MD 6-3		ED 6	3									PHASE 2
MD 7-1 THRU MD 7-3		ED 7	3									PHASE 1
MD 8-1 THRU MD 8-3		ED 8	3									PHASE 2

EACH DAMPER MOTOR SHALL BE OF THE OUTDOOR TYPE AND INCLUDE OPEN & CLOSED LIMIT SWITCHES AND SHALL BE INSTALLED UNDER INDICATED WORK PHASE. EACH DAMPER MOTOR SHALL CONTROL 2 WIDE X 1 HIGH 82" X 77" EXHAUST DAMPERS LINKED TOGETHER.

EXHAUST DAMPER SCHEDULE (GREENHECK HTD-630 USED AS DESIGN BASIS) - OPTION #2

SYMBOL	LOCATION	SERVING	EXHAUST DAMPER DATA				OPERATING WEIGHT	WORK PHASE	REMARKS
			QTY	SIZE	TYPE	NORMAL POSITION			
ED 1	WEST PORTAL BLDG ROOF	EXHAUSTER NUMBER 1	6	82" WIDE x 77" HIGH	8" WIDE AIR FOIL OPPOSED BLADE	CLOSED	8" X 2" X 12 GA GALVANIZED STEEL	10,000 LBS	PHASE 1
ED 2		EXHAUSTER NUMBER 2	6						PHASE 2
ED 3		EXHAUSTER NUMBER 3	6						PHASE 1
ED 4		EXHAUSTER NUMBER 4	6						PHASE 2
ED 5	EAST PORTAL BLDG ROOF	EXHAUSTER NUMBER 5	6	82" WIDE x 77" HIGH	8" WIDE AIR FOIL OPPOSED BLADE	CLOSED	8" X 2" X 12 GA GALVANIZED STEEL	10,000 LBS	PHASE 1
ED 6		EXHAUSTER NUMBER 6	6						PHASE 2
ED 7		EXHAUSTER NUMBER 7	6						PHASE 1
ED 8		EXHAUSTER NUMBER 8	6						PHASE 2

EXHAUST DAMPER SHALL INCLUDE 1/4" DIA JACKSHAFT AND SHALL BE INSTALLED UNDER INDICATED WORK PHASE. DAMPER SHALL OPEN WHEN EXHAUSTER IS ENERGIZED AND SHALL RETURN TO ITS NORMALLY CLOSED POSITION WHEN THE EXHAUSTER IS DE-ENERGIZED.

NOTE:
ALL MATERIALS ARE GALVANIZED STEEL UNLESS OTHERWISE NOTED.

DESIGN	BY C. CASTILLO	CHECKED H. MOZAFFARI
DETAILS	BY C. CASTILLO	CHECKED H. MOZAFFARI
QUANTITIES	BY C. CASTILLO	CHECKED H. MOZAFFARI

PREPARED FOR THE
STATE OF CALIFORNIA
 DEPARTMENT OF TRANSPORTATION

DIVISION OF ENGINEERING SERVICES
 ELECTRICAL-MECHANICAL-WATER
 AND
 WASTEWATER DESIGN

BRIDGE NO. _____
 VARIES
 POST MILE _____
 VARIES

SCADA SYSTEM UPGRADE: POSEY/WEBSTER STREET TUBES AND CALDECOTT TUNNEL
 EQUIPMENT SCHEDULE (OPTION #2) - HVAC

SHEET OF
M0-2